THE HOLT MANUFACTURING CO.

[INCORPORATED]

STOCKTON, CAL.

BRANCH OFFICE, WALLA WALLA, WASH.

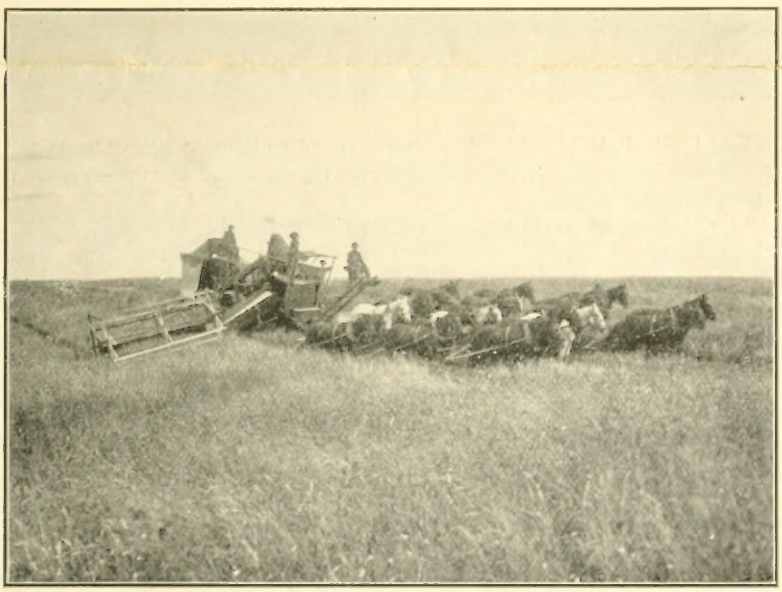
HARVESTER DEPARTMENT

BULLETIN NO. H-14. ESTABLISHED 1885 MARCH, 1904

THE KING OF MONEY MAKERS

HOLT BROS. ORIGINAL LINK-BELT COMBINED HARVESTERS WON HIGHEST AWARD AT PAN-AMERICAN EXPOSITION at BUFFALO, NEW YORK, 1901.

The utility of the HOLT BROS. COMBINED HARVESTER as a GRAIN SAVER and a MONEY MAKER is no longer questioned. Since the introduction of the HOLT BROS. COMBINED HARVESTER in 1885 we have gradually bettered our MACHINE by adopting every improvement that modern ingenuity and ACTUAL FIELD EXPERIENCE could suggest, and the result of our efforts has produced a COMBINED HARVESTER for 1904 that is by far the FINEST MACHINE ever put on the market.



View of the Combined Harvester in Operation

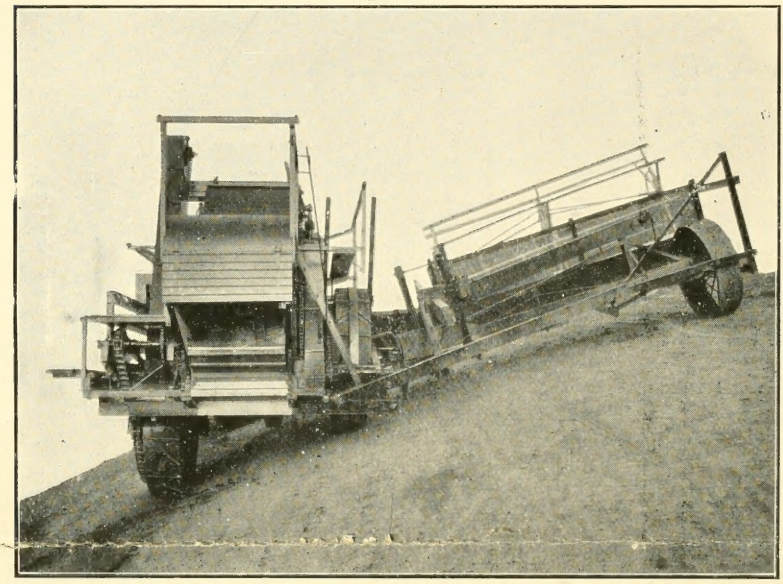
Our sales have increased year by year, and there are now THREE TIMES AS MANY HOLT BROS. COMBINED HARVESTERS in operation each year on the PACIFIC COAST as all other makes combined. This evidence alone is enough to convince you that we STAND ALONE, the PEER OF ALL OTHERS, in our particular line.

WE ARE THE INVENTORS AND PATENTEES of the TWO-WHEEL, SIDE HILL COMBINED HARVESTERS, PATENTED SEPTEMBER 27, 1892, No. 483,449.

Our Harvesters will put the grain in the sack with less expense than it costs to either HEAD or BIND, saving 14 cents per sack for threshing. Will save FOUR BUSHELS per acre besides, which, at 60 cents per bushel, nets a further saving of $2.40 per acre. CAN YOU AFFORD TO PAY 14 CENTS PER SACK TO THRESH YOUR GRAIN WHEN OUR HARVESTER WILL DO IT FOR NOTHING? CAN YOU AFFORD TO WASTE FOUR BUSHELS PER ACRE, WHICH OUR HARVESTER WILL SAVE?

THE JUNIOR SIDE HILL COMBINED HARVESTER

18 TO 24 HORSES



FOUR MEN

The SMALL SIDE HILL HARVESTER was put on the market five years ago expressly to meet the conditions in Oregon, Washington and Idaho, where small farms, steep hills and soft ground are generally found.

The Junior Machine has revolutionized the farming methods of these States.

We can now cut on hills which before were impracticable to farm. This is accomplished with our Tipping Device, described in detail on page 3. By its use the entire Separator is kept level on the steepest hills, and the wheels always in a vertical position, making it impossible for the Machine to slip down hill. The Machine works equally well on level land. (See above cut.)

The JUNIOR Harvester for 1904 is built on the same general plan as our REGULAR Machine, but much smaller and lighter. It is designed to be operated with from eighteen to twenty-four horses and four men.

Principal dimensions: Cylinder, 24 inches; Separator, 36¼ inches; Cleaner, 36¼ inches; Width of Cut, 12, 14 or 16 feet; Width of Wheels, 16 inches; Height of Wheels, 5 feet 4 inches. Will cut, thresh, reclean and sack 25 to 35 acres per day.

We have 275 Junior Machines running in Oregon and Washington alone, and will be pleased to send you a complete list of purchasers, to any one of whom we confidently refer you.

GENERAL POINTS OF HOLT BROS. COMBINED HARVESTERS

First—LINK BELT TRANSMISSION: In 1890 President Holt substituted Chain Belting for Gears as the means of transmitting power from the Main Wheels to the Separator, and to this we largely attribute the success of our Side Hill Harvester of today. Recent experiments by competitors have conclusively proved Gears to be impracticable on Side Hill Machines for transmitting the power from the MAIN WHEELS. LINK BELT runs noiselessly and in case of breakage a new link may be inserted in five minutes. COG GEARS make a deafening noise and a break always means an expensive delay.

Our Side Hill Separator is built HIGH at the rear so that at all times it will clear the

ground in crossing ditches and "draws." This is a distinct point of advantage over separators not so constructed.

Second—TIPPING DEVICE: Our RACK and PINION LEVELING DEVICE, MADE POSSIBLE ONLY BY THE USE OF LINK BELTING, allows the upward and downward movement of BOTH Main Wheels and enables our Machine to operate on hills having a 25 degree slope, where no header can run. The mechanism is simple and controlled by the slight movement of a lever operated by either Separator man or Header tender.

Third—HEADER: The efficiency of the Header on Holt Harvesters is undisputed. By means of the suspension of the "A" Frame the Sickle Bar and Draper Platform assume a position making it possible to cut within 2 inches of the ground. It will successfully cut "Down" grain that could not be cut with a horse Header. This has been demonstrated time and again. The Header is operated by a Tiller Wheel at the front of the Separator, where the Sickle and Draper are in full view of the Header tender. (See cut page 4.)

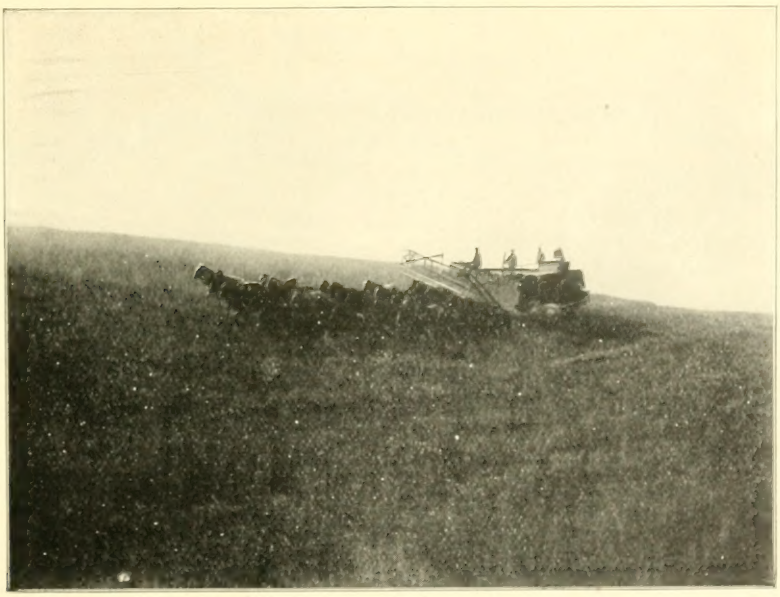
Fourth—DOUBLE DRIVE: The greatest stride made in perfecting Combined Harvesters in late years is our NEW DOUBLE DRIVE DEVICE, arranged so as to make the Grain Wheel assist in driving the machinery, which heretofore has been done by the Grouser Wheel alone. In soft or sandy soil it is of the greatest advantage. The Grain Wheel relieves the Main Drive Wheel of one-fourth its former burden, and carries its load a trifle faster than the Main Drive Wheel. If, however, the Grain Wheel slips the least bit, the Main Drive Wheel instantly picks it up, and their united driving power carries the Harvester over sandy and soft places without loss of motion, thus enabling it to do fully twenty-five per cent. more work than it is possible to do with the old, or any Single Drive Machine. The above-mentioned Double DRIVE DEVICE is covered by UNITED STATES PATENT, dated June 6, 1893, No. 499,113.

Fifth—THE HOLT HARVESTER IS THE STRONGEST, MOST COMPACTLY BUILT, AND AT THE SAME TIME LIGHTEST DRAFT MACHINE THAT HAS EVER BEEN PRODUCED.

THE REGULAR SIDE HILL HARVESTER

Our Regular Side Hill Harvester is built in the following dimensions: Cylinder, 28 inches; Separator, 38¾ inches: Cleaner, 38¾ inches; Width of Cut, 16, 18 and 20 feet; Width of Wheels, 16 and 20 inches. Will cut, thresh, reclean and sack, in one operation, from 30 to 40 acres

26 TO 32 HORSES



FOUR MEN

per day, according to the ground and stand of grain. It requires 26 to 32 horses and four to five men. Like the JUNIOR Machine, it is intended for harvesting wheat, oats, barley and rye, and can be operated successfully on soft hills or level land. The Regular Machine has the same leveling mechanism as the Junior.

There are now over 1400 Standard and Regular Machines in use in the Pacific Coast States.

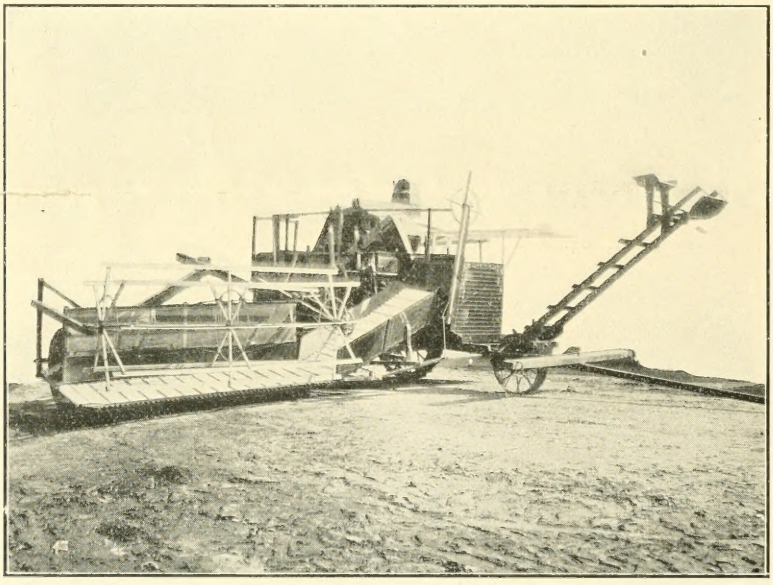
An invitation is extended to all interested in Harvesting Machinery to call at our works and examine carefully the material and workmanship of our harvesters, all of which is first class in every respect. The lumber is sawed to order and vertical grain obtained, and is bone dry for the reason that we carry two seasons' stock on hand. In placing an order for a Harvester you do not take the slightest chance of loss, and have very much to gain.

SOME IMPORTANT ADVANTAGES OF THE HOLT HARVESTERS

First—WE SAVE THE STRAW: By our Method we stack the straw and chaff after the Harvester, at an expense not to exceed $50 on a section of land.

Second—THE CLEANER: The Cleaners on all 1904 Side Hill Machines are placed on top of the Separator and are so arranged that the chaff is deposited in the tail end of the machine. With this arrangement all dirt and dust from the cleaner is kept from flying over the machine. All Side Hill Cleaners are fitted with the Hesse cheat screen adjusting device, which regulates the cheat screen while going up and down hills. We have purchased the patent on this device, No. 715,066, dated December 2, 1902, and are the exclusive owners, consequently our machines are the only ones fitted with this improvement.

In our Cleaner, which is acknowledged to be the best in the market, we have patented a new SHAKE DEVICE, so that the motion may be changed instantly from a slight tremble to a five-eighths inch stroke, avoiding the necessity of using a stick to keep the sieves clean in foul grain.



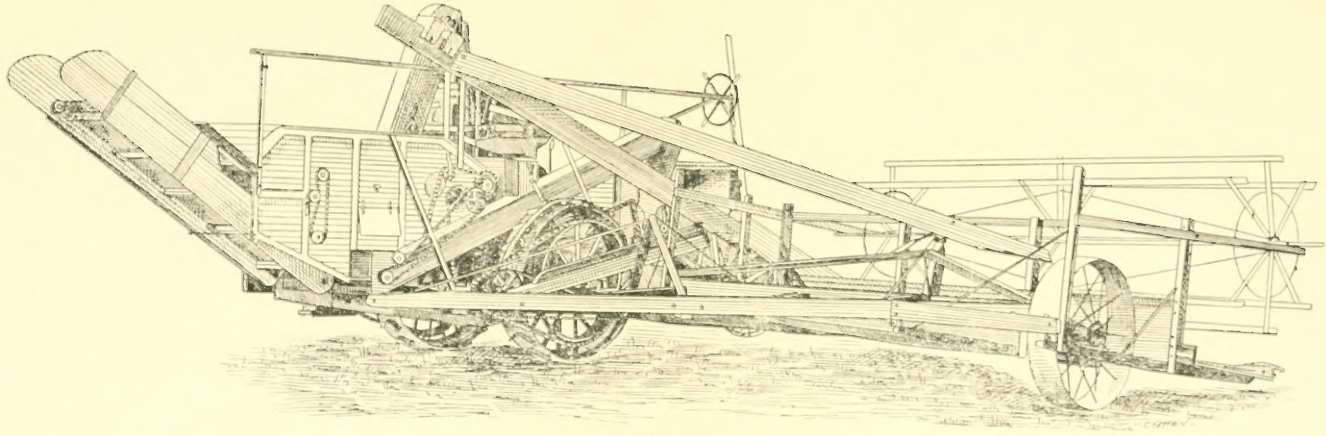
View Showing Header Complete

Third—We now drive our Grain Elevator and Shoe from the Main Counter Shaft, which continues in motion as long as the cylinder, thus keeping the shoe clear on the corners.

Fourth—DOUBLE SHOE: Our new Double Shoe has been improved, making it a model of perfection. It has been lengthened, giving more grain-saving surface. ALL machines will be fitted with these shoes this year. It is impossible to blow over any grain with them.

It is the ONLY SHOE that will handle China Lettuce SUCCESSFULLY. It will make your old machine UP TO DATE. We build it for all makes of machines in use.

Eighth—SICKLE BAR: Our Sickle Bar is a combination of hardwood, pine and steel, making it stronger, more elastic and durable than if made of all wood or all iron or steel. Its simplicity, strength and efficiency make it the most popular Sickle Bar in use, and it is the only bar that will pick up down grain successfully, being so arranged that it will cut closer to the ground than any other construction. HEAD of the Sickle is WROUGHT STEEL.



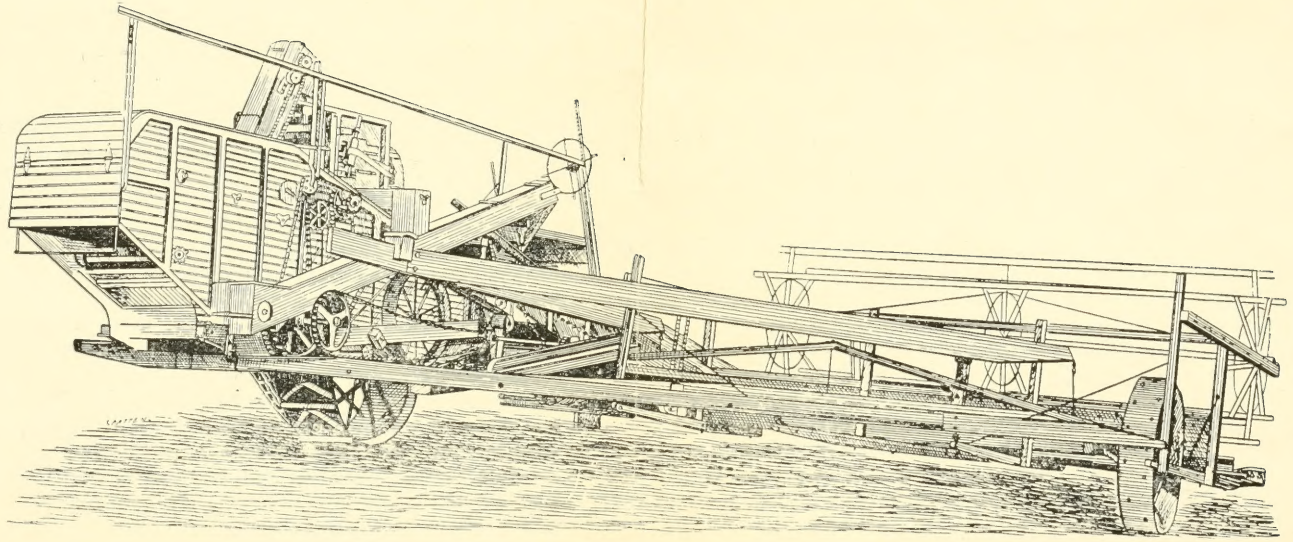
The above is a view of our STANDARD HARVESTER of the following dimensions: Cylinder, 30 inches; Separator, 44 inches; Cleaner, 46 inches; width of Cut, 16, 18 and 20 feet, as may be ordered. This is for use on level land, similar to the San Joaquin and Sacramento valleys. The main wheels of this machine are made 16 and 20, or 20 and 20, and for use on soft ground and tule land, when ordered specially, 24 and 24 inches wide.

These machines have stood the test for years and are now better than ever before, are made stronger, and are in every way better arranged to do the work.

DRIVE.

On all our machines, motion is communicated to the different parts by means of chain belts and sprockets. We use the Ewart Link Belt exclusively, and our sprockets are made for that particular style of belt and none other will fit.

Sprockets, to run smoothly and without catching on the spurs, must be mathematically exact, otherwise the chains are strained and soon worn out. Years of experience enables us to produce a perfect sprocket. As our sprockets are made for the Ewart Chain, none other will fit.



We present above a cut of one of our latest improved ONE-WHEEL SIDE HILL COMBINED HARVESTERS, which is designed for use on hard ground, level or rolling land, or steep hills. It can be pulled with from sixteen to eighteen horses on level land, and twenty to twenty-six on hills.

The Separator is practically a duplicate of our regular Standard Machines, but on a smaller scale. The wheel is 4 feet 8 inches high and the tire 24 inches wide. The main chain is patented by us, and is of special design. The Header is hinged to the Separator in a manner so that in tipping it is parallel with the slope of the hill. Our latest improved TIPPING CLEANER, which may be leveled under any and all conditions, goes with this machine.

We are the original inventors of this machine under patent dated December 28, 1897, No. 596,446, which covers all the principal and important features.

In December, 1899, the United States Court of Appeals awarded us the Exclusive Patent upon the One-Wheel Side Hill Harvesters.

Our Harvesters are covered by EIGHT UNITED STATES PATENTS, which if infringed upon, will be protected to the fullest extent of the law.

LIST OF PARTIES WHO BOUGHT COMBINED HARVESTERS IN 1903

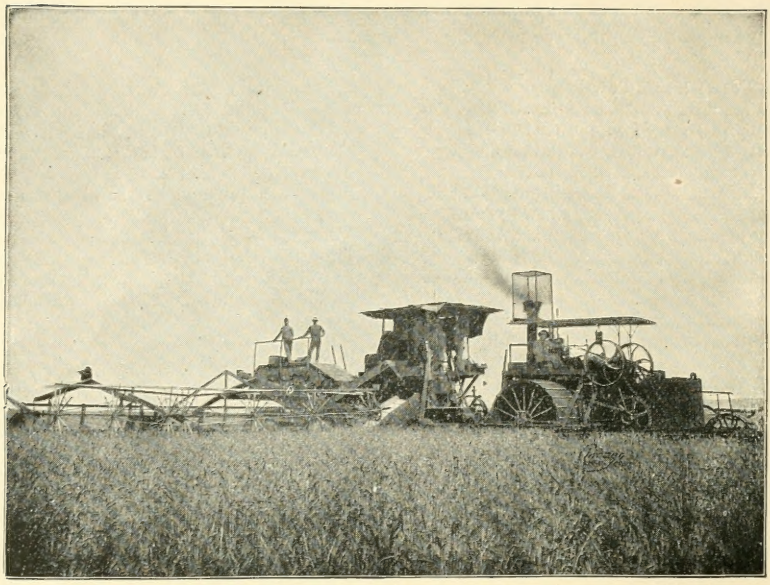
Over 1600 HOLT BROS. COMBINED HARVESTERS are in use on the Pacific Coast. We present below the names and addresses of those who purchased our Harvesters last season, among whom you will see the names of many representative farmers, to all of whom we refer you with pleasure and confidence :

A. Roscoe Warwick and Lewis Bros. ..... Antelope, Cal.
Oluf Jensen and Henry Brugman.. Arbuckle. "
Kern County Land Co..... Bakersfield, "
George C. Meckfessel..... Berlin, "
J. E. Swift..... Brentwood, "
R. L. McCabe..... Byron, "
Christ Blickle..... Capay, "
C. H. Duncan..... Capay, "
George W. Bradbury..... Clyde, Wash.
S. J. Smith..... " "
E. E. Wiseman..... " "
W. R. Merrill..... Colusa, Cal.
G. M. Cordiner..... Connell, Wash.
W. A. Mittlesteadt..... " "
W. H. Phillip..... " "
J. C. Visby and Joe Gertlar..... " "
Albert S. Gregg..... Cunningham, "
C. Marshall..... Cunningham, "
W. E. Baldwin..... Dayton, "
John Q. Harman and C. W. Hoss..... " "
F. C. Romaine..... " "
W. E. and F. Sparling..... Dixon, Cal.
C. P. Balch..... Dufur, Ore.
C. A. Thompson and E. E. Webb.. Elk Grove, Cal.
H. E. Weaver..... Escalon, "
H. P. Estes..... Eureka, Wash.
William Hector..... Eureka, Wash.
H. Glusing..... Fruto, Cal.
H. Johannsen, P. Landberg and Hans H. Soeth..... Fruto, Cal.
E. L. Brenot..... Fullerton, "
V. Hualde..... Fullerton, "
Clause Runge..... Germantown, "
G. L. Sanders..... Grand Island, "
Robert Eslinger..... Grass Valley, Ore.
G. R. Matthes..... Grass Valley, Ore.
C. E. Cameron..... Harrington, Wash.
C. B. Duncan..... " "
Norris & Crowley..... " "
A. M. Teal..... " "
W. R. Birdwell..... Hatton, "
Ross Graves..... " "
W. H. Sanders..... " "
Carl Kupers..... Helix, Ore.
Robert Walker..... Helix, "
Robert L. Harp..... Holdman, "
G. H. Schubert and F. L. McCrea... Holdman, "
James H. Fudge..... Huntsville, Wash.
A. W. Daubner..... Juniper, Ore.
C. P. Reagsdale..... Kent, Ore.
G. B. Eastman..... Krupp, Wash.
M. O. Whitmore..... Larned, Kan.
A. Brandon..... Le Grande, Cal.
A. C. Jansen..... Lind, Wash.
C. G. Heinsen..... Lockwood, Cal.
P. Agoure..... Los Angeles, "
D. H. Gilliam..... Madison, "
G. W. Scott..... Madison, "
James Danley..... Maxwell, Cal.
J. J. Cormona..... Mohler, Wash.
G. E. James and P. C. Axtell..... Monkland, Ore.
George E. Moore..... " "
W. A. Woods..... " "
John Christianson and G. and A. Hennagin..... Moro, "
Tobey Bros..... Olex, "
Gibson McConnell, Jr..... Parkfield, Cal.
Jacob Poulsen..... Paso Robles, Cal.
R. B. Chaney..... Pendleton, Ore.
Cooley & Pierce..... " "
Albert C. Friedly..... " "
Pierce, Tweedy & Co..... " "
E. E. Roberson..... Pleyto, Cal.
S. R. Dixon..... Pomeroy, Wash.
W. A. Hutchins..... Pomeroy, Wash.
C. G. Pic.nell..... Princeton, Cal.
F. Grazide..... Puente, "
Albert Gallatin..... Red Bluff, "
Ben B. Gillespie..... Ritzville, Wash.
A. L. Herin, H. R. and T. Rees..... Rufus, Ore.
Z. M. Edrington..... San Miguel, Cal.
J. M. Kalar..... San Miguel, Cal.
L. E. Frink..... Sprague, Wash.
M. R. Gaffney..... " "
John A. Walker and D. L. Wallace " "
A. E. Karr..... Starbuck, "
C. W. Pearson..... " "
Dr. M. Pietrzycki (2 machines)..... " "
A. S. Baxter..... Temecula, Cal.
John Morris..... Tustin, Cal.
R. W. McKown..... Waitsburg, Wash.
U. F. Cockrum..... Walla Walla, "
George Drumheller..... " " "
M. D. Gross..... " " "
Jacob Kibler & Sons..... " " "
Mrs. Nancy E. Kuhl..... " " "
John Lyons..... " " "
Thomas Lyons..... " " "
O. J. Bales..... Wasco, Ore.
Fred Blau..... " "
W. E. Dutton..... " "
S. V. Hardin..... " "
J. R. and C. H. Howell..... " "
B. F. Medler..... " "
W. C. Morehouse and V. Anderson... " "
R. W. Pinkerton and C. E. Poole..... " "
J. G. and William Walker..... " "
E. H. Brim..... Williams, Cal.
Aug. and C. L. Schaad..... " "
L. N. Zumwalt..... " "
J. A. Willis..... Willis, Wash.
C. and O. Reimers..... Willows, Cal.
W. B. Gibson..... Woodland, Cal.
Samuel Haines..... " "
John F. Henle and Geo. Merritt... " "
Agnes Bemmerly..... Yolo, "

An invitation is hereby extended to all interested in Harvesting Machinery to call at our works and examine carefully the material and workmanship of our Harvesters, all of which is first class in every respect.

COMBINED STEAM HARVESTING

ENGINE AND SEPARATOR



Front View, Header Side

If you are interested in TRACTION ENGINES FOR PLOWING OR STEAM HARVESTING, send for Bulletins T. E. Nos. 3 and 10.

Be sure that the order you sign reads for a HOLT BROTHERS' IMPROVED LINK-BELT COMBINED HARVESTER, and then you will get a machine that you can rely upon at all times to do your work.

For any information not contained in this circular, write to our nearest office, giving all details concerning ground over which you desire to operate machine.

Bulletin S. No. 7 describes our Stockton Improved and Fresno Scrapers.

Bulletin L. T. No. 9 describes our Logging Trucks.

For a description of TRACTION ENGINE FREIGHTING OUTFITS, send for Bulletins T. E. Nos. 6 and 12.

THE HOLT MANUFACTURING COMPANY

STOCKTON, CAL.

Also, Manufacturers of Steam Combined Harvesters, Traction Engines, Wagon and Carriage Wheels, Scrapers, Etc.

WALLA WALLA, WASH.
THE HOLT MANUFACTURING CO.
BRANCH OFFICE AND STORE

STOCKTON, CAL.
THE HOLT MANUFACTURING CO.
MAIN OFFICE AND WORKS

SAN FRANCISCO, CAL.
HOLT BROS. CO.
30-32 MAIN ST. STORE

THE ATWOOD PRINT, STOCKTON.

Hollinger Corp.
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